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PATENT

Attorney Reference Number 3005-58065  
Application Number 09/770,942

1. (Amended) A method for analyzing a gas sample, comprising:  
providing a gas sample or converting a sample to a gas sample;  
increasing pressure applied to the gas sample to compress the sample to a smaller volume  
and provide a pneumatically focused gas sample; and  
analyzing the pneumatically focused gas sample by gas chromatography.

17. (Amended) The method according to claim 1 where analyzing the pneumatically  
focused sample comprises reducing the pressure of the carrier-pneumatic focusing gas  
simultaneously with or subsequent to a pneumatically focused sample being injected onto a  
separatory column.

31. (Amended) The method according to claim 1 where analytes from the  
pneumatically focused sample are determined by a detector selected from the group consisting of  
FID, IR, FTIR, NDIR, ECD, TCD, NPD, FPD, UV/Visible detectors and combinations thereof.

37. (Amended) A method for analyzing an air sample, comprising:  
collecting an air sample;  
increasing the pressure of the sample to a pressure of from about 100 psi to about 15,000  
psi to pneumatically focus the air sample; and  
analyzing the pneumatically focused sample in real time using a gas chromatograph.

73. (Amended) The method according to claim 72 and providing the sample to a  
column within a period of less than about 1 second.

74. (Amended) The method according to claim 73 and providing the sample to a  
column within a period of less than about 1 millisecond.

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Page 2 of 4

RJP:AAR:ck 05/24/02 117471.doc  
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Respectfully submitted,

KLARQUIST SPARKMAN, LLP

By

  
Stacey C. Slater  
Registration No. 36,011

One World Trade Center, Suite 1600  
121 S.W. Salmon Street  
Portland, Oregon 97204  
Telephone: (503) 226-7391  
Facsimile: (503) 228-9446